



Naval Information Warfare Center Atlantic

**Palmetto Tech Bridge Kick Off
College of Charleston
07 January 2020**

Mr. Peter C. Reddy, SES
Executive Director
NIWC Atlantic

NIWC Atlantic

Mission: Serving our Nation by delivering information warfare solutions that protect national security. Includes: communication systems (radios), networking systems (routers/switches), cyber operations (red team/forensics/network defense), intelligence, surveillance, reconnaissance (sensors/decision support applications), business systems (benefits/personnel) and information security.



NIWC Atlantic

Serving our Nation by delivering information warfare solutions that protect national security.



Strategically
located to
support the
deployed Navy

Key Technical Capabilities

- Surface Ship and Submarine C4I test and integration facilities
- NAVWAR National Security Operations Center/Cyber Forensics, Vulnerability Assessment Team
- Cyber Forensics Criminal Investigations Laboratory
- Cyber Computer Network Defense Laboratory
- DoD Component Enterprise Data Center
- Commercial and DoD Satellite Comms production and installation
- Vehicle C4I systems integration, testing and production
- Electromagnetic Interference and Electromagnetic Compatibility testing
- Global Distance Support Help Desk
- Air Traffic Control systems development and installation
- Marine Corps Installations Command Electronic Security Systems

Serving our Nation by delivering information warfare solutions that protect national security.

Includes: comms systems (radios), networking systems (routers/switches), cyber operations (red team/forensics/ network defense), intelligence, surveillance, reconnaissance (sensors/decision support applications), data science & analytics, business systems (benefits/personnel) and information security.

FY 2019

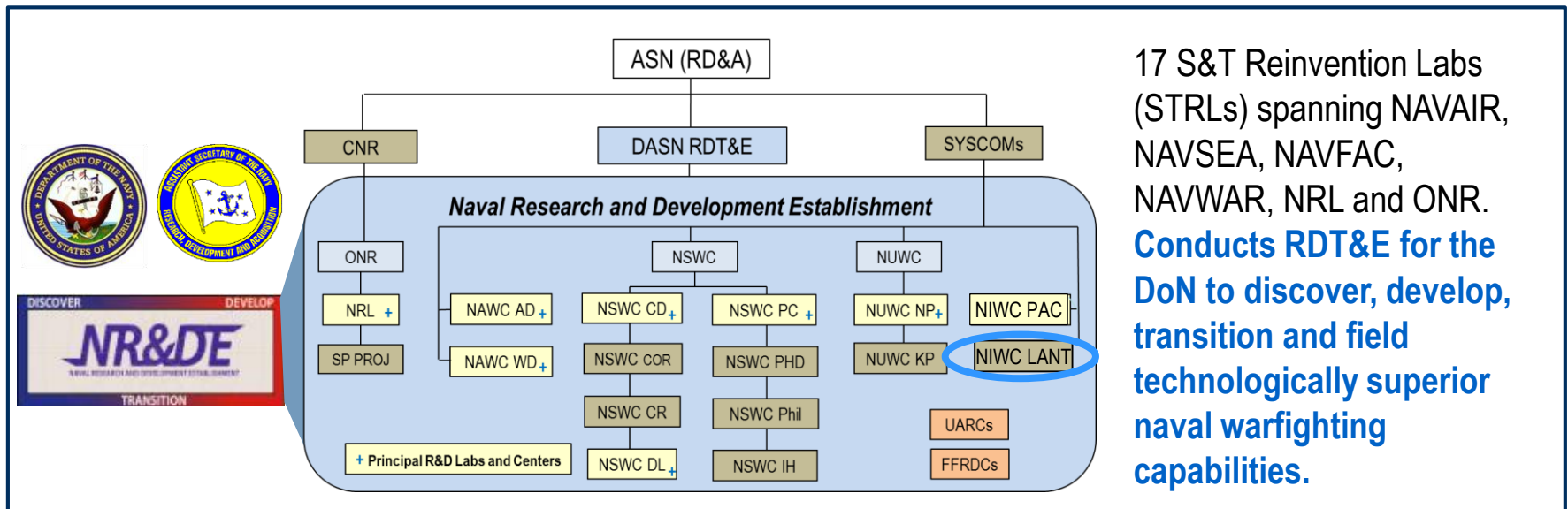
- Primarily a Navy Working Capital Fund (NWCF) Organization
- \$3.35B Total Obligation Authority (FY19)
- \$1.9B Total Obligations
 - 46% Small Business
 - 400+ Small Businesses
 - 93% Competition
- New Orders
 - 57% Naval
 - 37% Joint
 - 6% Non DoD
- Workforce (FTEs)
 - 74% Naval
 - 23% Joint
 - 3% Non-DoD
- 5 Departments
- 120 IPTs
- 436 Projects

EOM Oct

- Top Sponsors
 - NAVWAR & PEOs
 - MARCORSYSCOM
 - NAVSEA & PEOs
 - Defense Health
 - NAVAIR & PEOs
- 4,853 Gov't, 114 Mil. EOM Oct
 - 271 New Professionals
 - 119 Student Interns(FY19)
 - 13 SSTMs
 - 57 PhDs
 - 1,289 Masters
 - 2,135 Bachelors
- Top Occupational Series (60%)
 - IT Specialist (20%)
 - Electronics Engineer (12%)
 - Computer Scientist (11%)
 - Electronics Tech (9%)
 - Mgmt & Prog Analyst (8%)

NIWC Atlantic is part of the Naval Research & Development Establishment (NR&DE)

- ▼ NR&DE is comprised of a diverse and highly educated workforce of scientists, engineers, mathematicians and supporting technical personnel who conduct DON research, development, test and evaluation
 - Over 36,000 scientists, engineers, and technicians (more than 2,000 Ph.D.s); 50,000 employees; annual budget greater than \$20B
- ▼ NR&DE encompasses the technical resources to accelerate the fielding of new operational concepts, technology and systems innovations
 - Infrastructure has a combined Plant Replacement Value greater than \$15B



Naval Leadership and Priorities



Chief of Naval Operations
Admiral Michael Gilday

FRAGO, foundation from
A Design for Maintaining
Maritime Superiority 2.0

Core attributes

- Integrity
- Accountability
- Initiative
- Toughness

Focus our efforts:

Warfighting — A Navy that is ready to win across the full range of military operations.

Warfighters — We must recruit, educate, train, and retain America's most talented men and women.

Future Navy — A Navy fully prepared to fight and win.



Commandant of Marine Corps
General D. H. Berger

38th Commandant's Planning
Guidance

Focus areas

- Force Design
- Warfighting
- Education and Training
- Core Values
- Command and Leadership

Vision is for Marine Corps to be manned, trained and equipped as the world's premier naval expeditionary force-in-readiness.

Forward postured with fleets to deter conflict and respond to crisis.

Globally recognized as an elite Corps of Marines of exceptional talent and virtue.



Commandant of the Coast Guard
Admiral K. L. Schultz

USCG Commandant's
Direction 2018

Ready

We will be prepared to serve and protect the American people and our national interests.

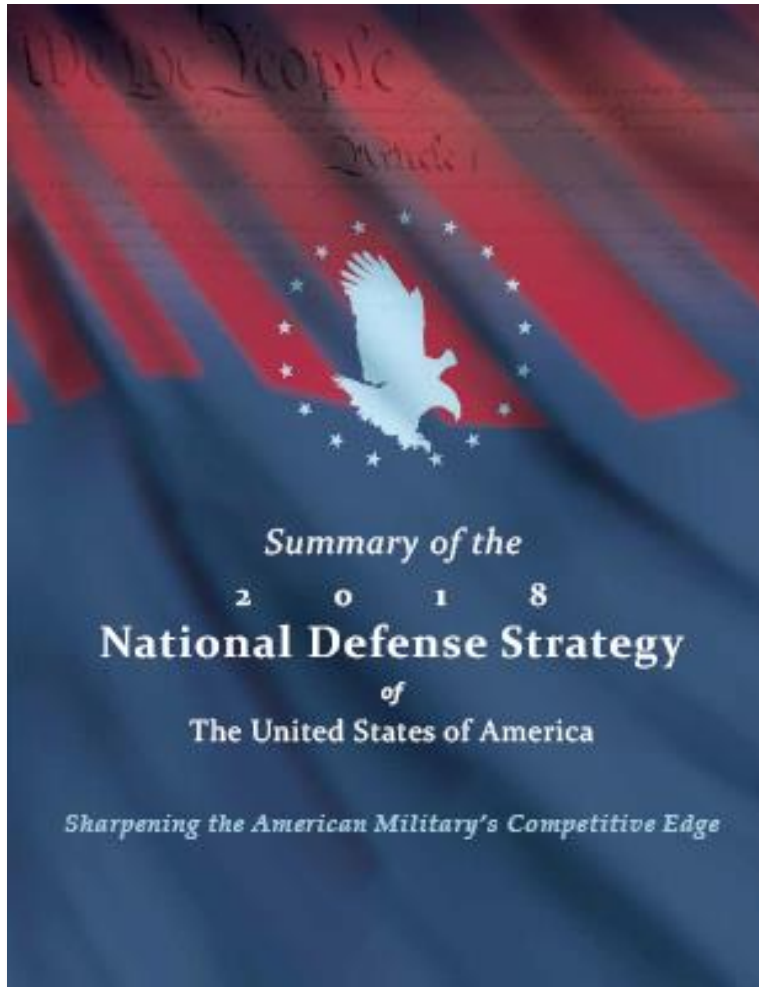
Relevant

We will be a professional and agile armed force, law enforcer, regulator, and maritime first responder on which our partners confidently rely to address the Nation's increasingly complex maritime challenges.

Responsive

We will employ our bias for action to excel in mission execution as we protect and defend the homeland.

National Defense Strategy



The National Defense Strategy acknowledges an increasingly **complex global security environment...**

NDS Clear priority

Stay ahead of Russia and China

- Strengthen allies and partners
- Increase lethality for the warfighter
- Reform the business practices of the Defense Department for greater performance and affordability

Guidance to the Fleet

CNO Adm. Mike Gilday

<https://www.navy.mil/cno/docs/CNO%20FRAGO%20012019.pdf>



“I am confident that we will maximize the Navy we have today while delivering the Navy that our nation will rely upon tomorrow. We will do so with **urgency**. Our fleet will be a potent, formidable force that competes around the world every day, deterring those who would challenge us while reassuring Allies and partners. Joining with the Marine Corps, we will deliver

decisive **Integrated American Naval Power** when called. As we focus on the future, we will value and celebrate our heritage. Our Core Values of **Honor, Courage, and Commitment** and our attributes of **Integrity, Accountability, Initiative, and Toughness** will always guide us. They underpin who we are as members of the profession of arms: united by our common oath, dedicated to our special standards of ethics and character, and constantly honing our unique expertise in the art and science of naval warfare.”

— Adm. Mike Gilday
Chief of Naval Operations

Focuses across three areas that are vital to achieving success now and in the future:

Warfighting A Navy that is ready to win across the full range of military operations. We must have a Fleet that is manned, trained, equipped, integrated, and ready to meet requirements of our senior leaders at any time. Alongside the Marine Corps, the Navy will deliver decisive Integrated American Naval Power.

Warfighter A Navy that is world-class. We must recruit, educate, train, and retain America’s most talented men and women. Our people – uniformed and civilian Sailors – are our asymmetric advantage.

Future Navy A Navy fully prepared to fight and win. Our Navy will be equipped with the right capabilities and numbers to meet the challenges of a complex and competitive maritime environment. We will look at what is required to operate forward, build the Fleet to match, and train together until we achieve integrated combat power across the force.

Fragmentary order (FRAGO) intended to simplify, prioritize, and build on the foundation of “A Design for Maintaining Maritime Superiority 2.0,” issued by Adm. John Richardson in December of 2018.



Commandant's Planning Guidance

38th Commandant of the Marine Corps



<https://www.hqmc.marines.mil/Portals/142/Docs/%2038th%20Commandant%27s%20Planning%20Guidance%202019.pdf?ver=2019-07-16-200152-700>

38th Commandant's Planning Guidance (CPG)

Five priority focus areas:

- Force design
- Warfighting
- Education and training
- Core values
- Command and leadership

“The Marine Corps will be trained and equipped as a naval expeditionary force-in-readiness and prepared to operate inside actively contested maritime spaces in support of fleet operations. In crisis prevention and crisis response, the Fleet Marine Force – acting as an extension of the Fleet – will be first on the scene, first to help, first to contain a brewing crisis, and first to fight if required to do so.”

ASN(RDA) Guidance

Naval Force the Nation Needs

- 1. Deliver and Sustain Lethal Capacity**
- 2. Increase Agility**
- 3. Drive Affordability**
- 4. Build Workforce to Compete & Win**



4Ds

How We're Getting There

Decentralize (to the lowest level)

Differentiate (the work)

Digitize (all facets of work)

Develop (the Workforce)



Strategic Vision

Meet Our
Commitments

Be the Technical
Expert

Be Trusted Partners

Develop Our People
and Our Organization

Strategic Objectives

ACCELERATE AND
STREAMLINE DELIVERY

Implement Information
Warfare Platform

Digitize Our Navy

Rapidly Prototype
and Transition

DRIVE CYBER RESILIENCY

Design in Resilience
and Interoperability

Implement Cyber Standards
Navywide

Enable Fleet Cyber Readiness

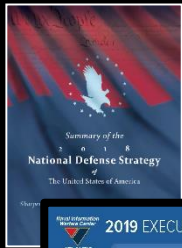
OPTIMIZE OUR ORGANIZATION,
OPERATIONS AND WORKFORCE

Deliver Effective and
Efficient Services

Develop and Strengthen
Our Workforce

Make NAVWAR the
Best Place to Work

Vision: Rapidly delivering cyber warfighting capability from seabed to space



DoD and the Navy has a clear strategy for what is needed now and for the future.



NIWC Atlantic Execution Plan

Clear strategy to execute the
National and Navy strategy.

We can't execute without collaboration with partners.

PRODUCT

- Develop and deliver capabilities that expand our information warfare advantage.

PEOPLE

- Recruit, develop and retain a credentialed workforce to meet technical requirements for today and tomorrow.

PROCESS

- Advance efficiency and enhance effectiveness of processes to accelerate capability delivery and improve employee experience.

Partners: Match and deliver the Navy's demand for new technologies and equipment.

Ensure the growth and health of technical knowledge and skills.

Improve planning and communication. Keep lines of communication open, deliver on time.

Connect with the Private Sector



Goal → Increase Network of Partners and Collaboration on Projects/Problems

Deliver Agility Methods to the Workforce



Goal → A workforce that embraces discovery, learning and innovation

NavalX – Tech Bridge

▼ 401 Tech Bridge

- NAVSEA CTO/ NUWC
Newport, RI
 - Director, Steven Bordonaro

▼ Northwest Tech Bridge

- NUWC Keyport, WA
 - Director, LCDR Johannes
Schonberg

▼ SoCal Tech Bridge

- NIWC Pacific, CA
 - Director, Josh Caplan

▼ Central Florida Tech Bridge

- NAWC TSD, FL
 - Director, Diana Teel

▼ Midwest Tech Bridge

- NSWC Crane, IN
 - Director, Monica Hutchens

▼ Palmetto Tech Bridge

- NIWC Atlantic, SC
 - Director, Michael Merriken



Serve our Nation by delivering information warfare solutions that protect national security. WIN THE INFORMATION WAR.



NIWC Atlantic is part of the Naval Research & Development Establishment (NR&DE)

Web: <https://www.public.navy.mil/navwar/Atlantic> Facebook: <https://www.facebook.com/NavalInformationWarfareSystemsCommand>

Twitter: <https://twitter.com/navwarHQ> Instagram: <https://www.instagram.com/spawarhq/> LinkedIn: <https://www.linkedin.com/company/spawar/>

Glassdoor: <https://www.glassdoor.com/Overview/Working-at-SPAWAR-Systems-Center-Atlantic-EI-IE638508.11,41.htm>

Employment opportunities: <https://www.usajobs.gov/> NIWC Atlantic Small Business: <https://www.public.navy.mil/navwar/Atlantic/Pages/ForIndustry.aspx>

NAVWAR Contract Directorate Office: <https://e-commerce.sscno.nmci.navy.mil>